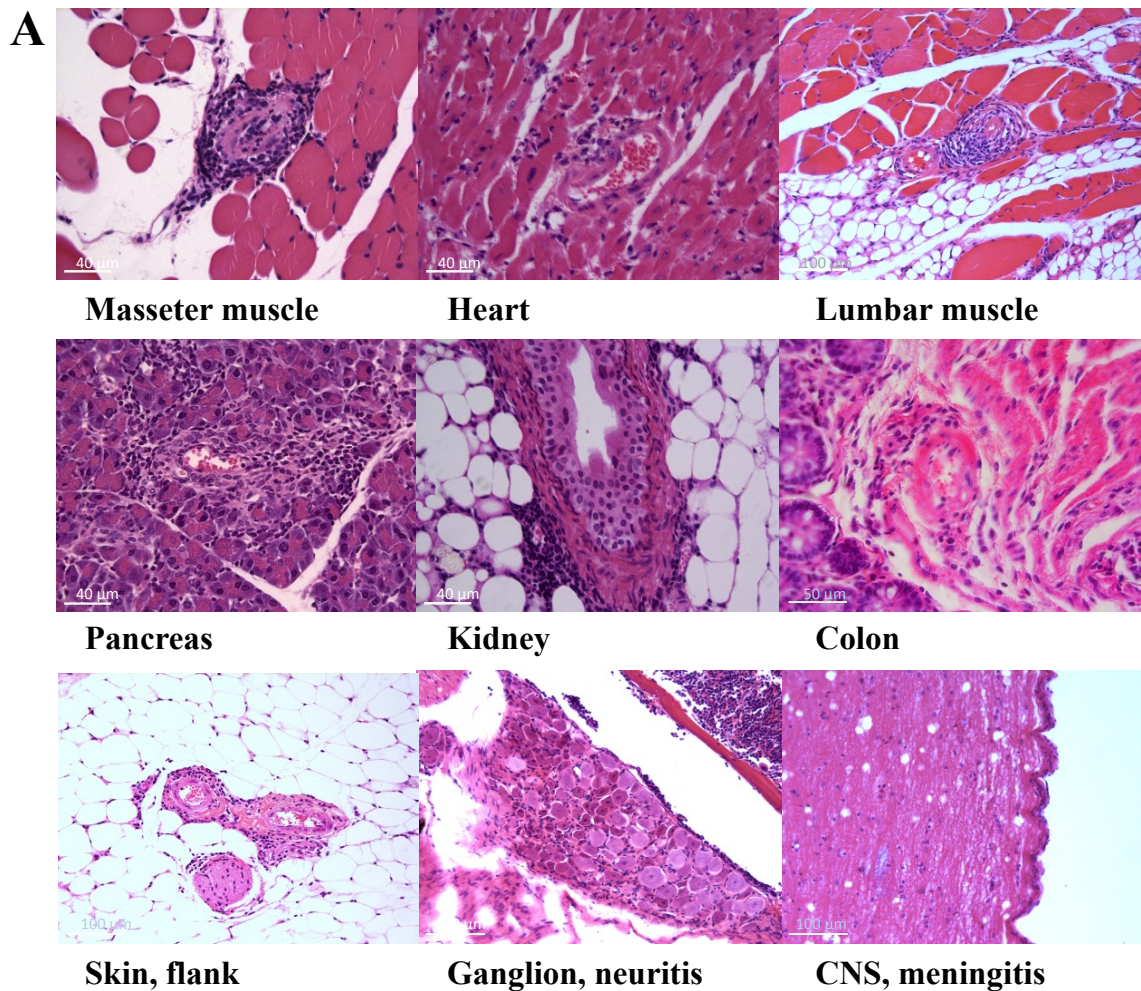


**Supplementary Figure 1. Systemic necrotizing vasculitis develops in C57BL/6J females and in cranial skeletal muscle in chronically *T. cruzi*-infected mice. A, Females. Sections of skeletal muscle from the posterior limbs of 15 month-infected female mice were stained by H&E. Images are representative of 5 infected mice analyzed. Magnification: 200X. B, Cranial muscle. H&E staining of mice 15 months p.i. Images are representative of a group of 9 infected mice (7-15 months after infection) analyzed. Magnification: 200X.**

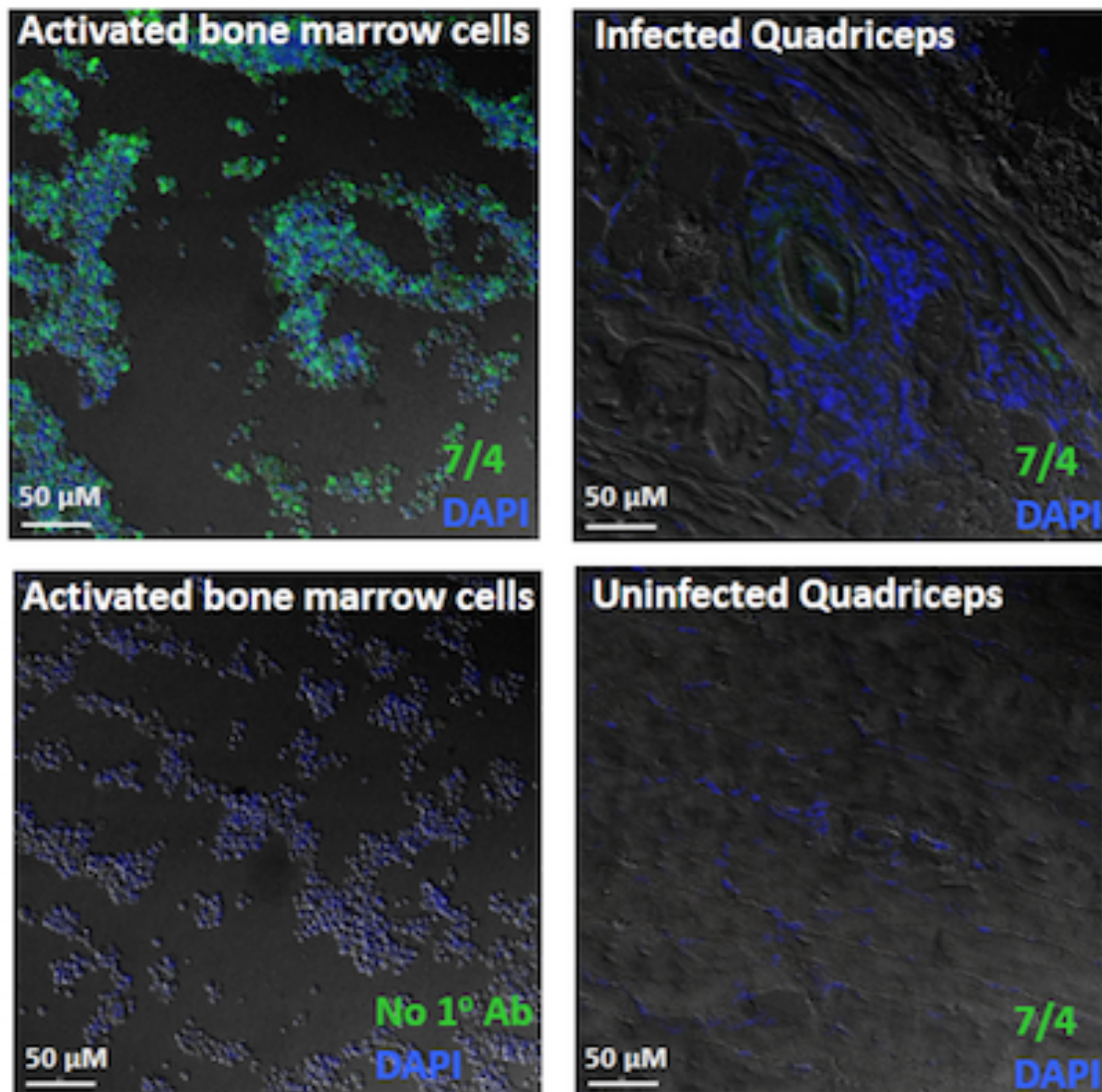


**B**

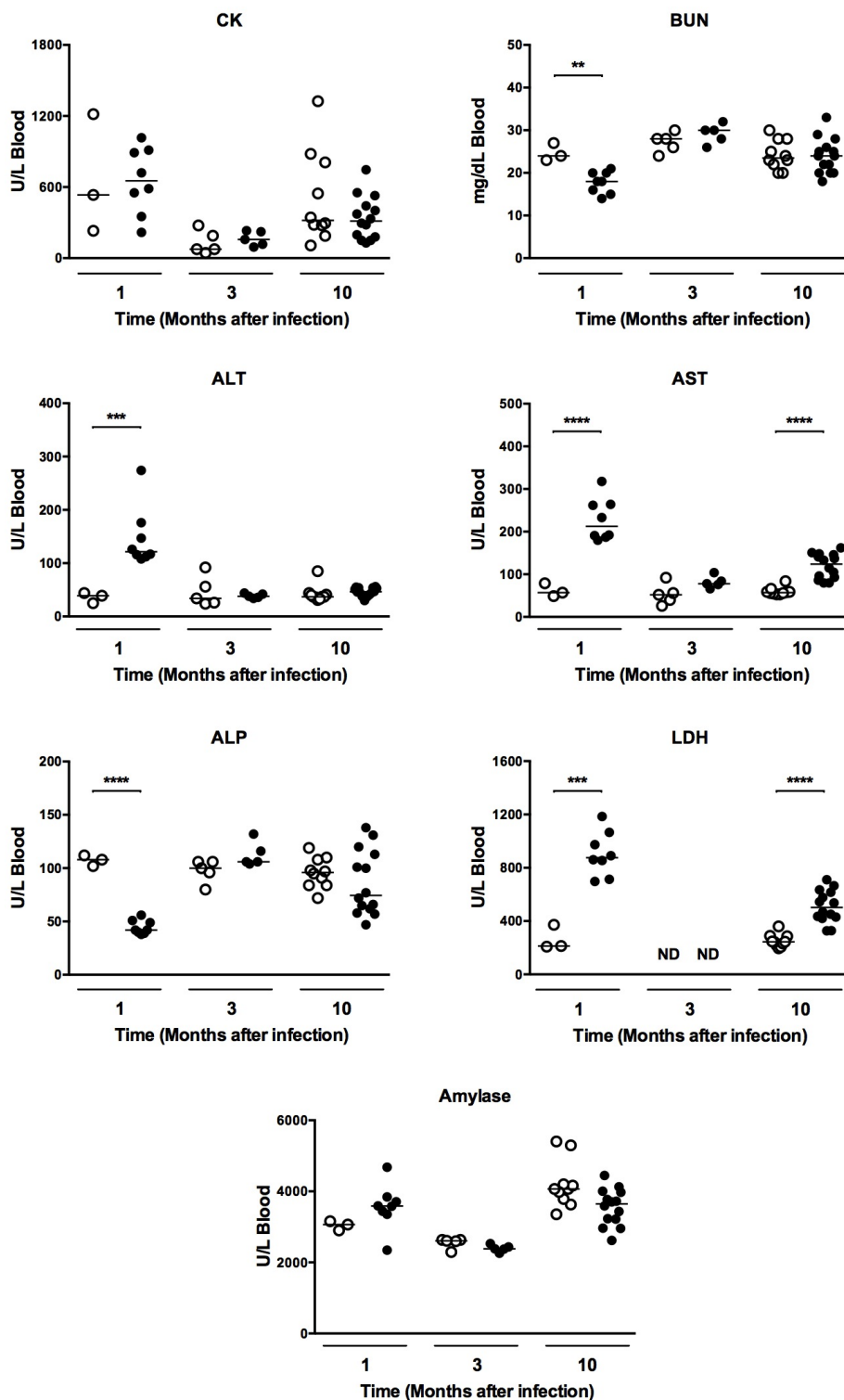
Tissue or Organ	Severity Score (n)				Total number of mice analyzed
	0	1	2	3	
Mesentery	2	3	-	-	5
Tongue	-	2	-	-	2
Stomach	2	2	1	-	5
Esophagus	5	-	1	-	6
Trachea	1	2	1	-	4
Brain	14	-	-	-	14
Liver	25	-	-	-	25
Lung	13	-	-	-	13
Spleen	18	-	-	-	18
Head Sk Muscle	-	-	5	4	9

**Supplementary Figure 2. Vasculitis occurs in many but not all organs from chronically *T. cruzi*-infected mice.** A, Images of vascular lesions in various organs. Mice were euthanized after developing muscle atrophy and/or partial or total paralysis of the posterior limbs (7-12 months p.i.). Images are of representative H&E-stained sections of the indicated mouse organs and tissues, and are representative of a total of 12 infected mice analyzed. B, Analysis of organs for vasculitis. Magnification is indicated at the lower right of each panel.





**Supplementary Figure 3. Analysis of neutrophils in systemic necrotizing vasculitis lesions.** Sections of quadriceps muscle from uninfected mice and chronically *T. cruzi*-infected mice were stained with mAb 7/4, and sections containing vasculitis lesions were imaged. Activated mouse bone marrow cells were stained with or without 7/4 as the primary antibody and with a secondary antibody to validate the specificity of the immunoreactivity. Magnification is indicated at the lower left of each panel.



**Supplementary Figure 4. Serum biomarkers of organ function in chronically *T. cruzi*-infected mice.** Filled circles, infected mice; open circles, respective age-matched uninfected controls. Data for factors indicated at the top of each graph are expressed as individual values and the median. Data for the 1 and 3 month time points are from one experiment. Data for the 10-month time point are a pool of two independent experiments. \*\*,  $p = 0.007$ ; \*\*\* in ALT,  $p = 0.0007$ ; for LDH \*\*\*,  $p = 0.0001$  and \*\*\*\*,  $p, 0.0001$ .